

Abstract

5 A transaction card includes an optically active film
composite comprising a PET polymeric film substrate covered
with a hard coat layer of resin having a thickness of less
than 6 microns, and a pencil hardness of at least 2H, the
hard coat including a polymeric resin binder with
10 nanoparticles of Lanthanum hexaboride absorbing light having
a wavelength in the range of 700-1100 nm. The composite
preferably has a VLT of about 50% and a transmission in the
near IR wavelength of less than 10%.